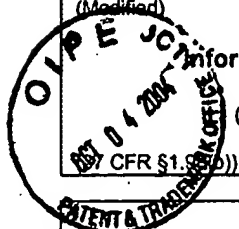


Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-296001	Application No. 09/708,230
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.56(b))		Applicant Adam T. Lake et al.	
		Filing Date November 7, 2000	Group Art Unit 2676

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
P.W.C.	AA	5,809,219	09-1998	Pearce et al.			
	AB	5,933,148	08-1999	Oka et al.			
	AC	5,974,423	10-1999	Margolin			
	AD	6,078,331	06-2000	Pulli et al.			
	AE	6,191,787	02-2001	Lu et al.			
	AF						
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	AK						

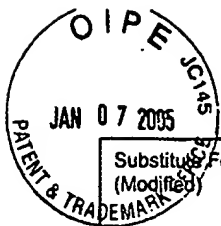
**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature 	Date Considered 7-27-05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10559-296001Application No.  
09/708,230**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Adam T. Lake et al.Filing Date  
November 7, 2000Group Art Unit  
2676**U.S. Patent Documents**

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P.W.C.	AA	4,600,919	07-1986	Stern			
	AB	4,747,052	05-1988	Hishinuma et al.			
	AC	4,835,712	05-1989	Drebin et al.			
	AD	4,855,934	08-1989	Robinson			
	AE	4,901,064	02-1990	Deering			
	AF	5,124,914	06-1992	Grangeat			
	AG	5,163,126	11-1992	Einkauf et al.			
	AH	5,371,778	12-1994	Yanof et al.			
	AI	5,611,030	03-1997	Stokes			
	AJ	5,731,819	03-1998	Gagne et al.			
	AK	5,757,321	05-1998	Billyard			
	AL	5,786,822	07-1998	Sakaibara			
	AM	5,805,782	09-1998	Foran			
	AN	5,809,219	09-1998	Pearce et al.			
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	AP	5,847,712	12-1998	Salesin et al.			
	AQ	5,894,308	04-1999	Isaacs			
	AR	5,929,860	07-1999	Hoppe			
	AS	5,933,148	08-1999	Oka et al.			
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	AW	5,974,423	10-1999	Margolin			
	AX	6,054,999	04-2000	Strandberg			
	AY	6,057,859	05-2000	Handelman et al.			
	AZ	6,078,331	06-2000	Pullii et al.			
	AAA	6,115,050	09-2000	Landau et al.			

Examiner Signature

Date Considered

7-26-05

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	Applicant Adam T. Lake et al.		
	Filing Date November 7, 2000	Group Art Unit 2676	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
PWC	ABB	6,175,655	01-2001	George et al.			
	ACC	6,191,787	02-2001	Lu et al.			
	ADD	6,191,796	02-2001	Tarr			
	AEE	6,198,486	03-2001	Junkins et al.			
	AFF	6,201,549	05-2001	Bronskill			
	AGG	6,208,347	03-2001	Migdal et al.			
	AHH	6,219,070	04-2001	Baker et al.			
	AII	6,239,808	05-2001	Kirk et al.			
	AJJ	6,252,608	06-2001	Snyder et al.			
	AKK	6,262,737	07-2001	Li et al.			
	ALL	6,262,739	07-2001	Migdal et al.			
	AMM	6,292,192	09-2001	Moreton			
	ANN	6,317,125	11-2001	Persson			
	AOO	6,337,880	01-2002	Cornog et al.			
	APP	6,388,670	05-2002	Naka et al.			
	AQQ	6,405,071	06-2002	Analoui			
	ARR	6,437,782	08-2002	Pieragostini et al.			
	ASS	6,478,680	11-2002	Yoshioka et al.			
	ATT	6,559,848	05-2003	O'Rourke			
	AUU	6,593,924	07-2003	Lake et al.			
	AVV	6,593,927	07-2003	Horowitz et al.			
	AWW	6,608,627	08-2003	Marshall et al.			
	AXX	6,608,628	08-2003	Ross et al.			
	AYY	2001/0026278	10-2001	Arai et al.			
	AZZ	2002/0101421	08-2002	Pallister			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or	Class	Subclass	Translation
Examiner Signature <i>PWC</i>				Date Considered 7-26-05			
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							<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	AAAA							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>pm</i>	ABBB ✓	Alliez et al., "Progressive Compression for Lossless Transmission of Triangle Meshes," <u>ACM SIGGRAPH 2001</u> , pgs. 195 - 202 (2001).
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	ADDD ✓	Bajaj et al., "Progressive Compression and Transmission of Arbitrary Triangular Meshes," <u>IEEE</u> , pgs. 307 - 316 (1999).
	AEEE ✓	Buck et al., "Performance-Driven Hand Drawn Animation", <u>ACM</u> (NPAR2000), pgs. 101 - 108 (2000).
	AFFF ✓	Catmull et al., "Recursively Generated B-Spline Surfaces on Arbitrary Topological Meshes," <u>Computer Aided Design</u> , 10(6):350 - 355 (1978).
	AGGG ✓	Chow, M., "Optimized Geometry Compression for Real-time Rendering," <u>IEEE</u> , pgs. 347-354 (1997).
	AHHH ✓	Coelho et al., "An Algorithm for Intersecting and Trimming Parametric Meshes", <u>ACM SIGGRAPH</u> , pgs. 1 - 8 (1998).
	AIHH ✓	Cohen-Or, D. et al., "Progressive Compression of Arbitrary Triangular Meshes," <u>IEEE Visualization 99 Conference Proc.</u> , pgs. 67 - 72 (1999).
	AJJJ ✓	Deering, M., "Geometry Compression," <u>Computer Graphics. SIGGRAPH '95</u> , pages 13-20, 1995.
	AKKK ✓	DeRose et al., "Subdivisional Surfaces in Character Animation", <u>ACM, SIGGRAPH'98</u> , pgs. 85 - 94 (1998).
	ALLL ✓	Dyn, N. et al., "A Butterfly Subdivision Scheme for Surface Interpolation with Tension Control," <u>ACM Transactions on Graphics</u> , 9(2):160 - 169 (1990).
	AMMM ✓	Elber, Gershon, "Line Art Rendering via a Coverage of Isoperimetric Curves," <u>IEEE Transactions on Visualization and Computer Graphics</u> , 1(3):231 - 239 (1995).
	ANNN ✓	Elber, Gershon, "Interactive Line Art Rendering of Freeform Surfaces", <u>Eurographics'99</u> , 18(3):C1 - C12 (1999).
	AOOO ✓	Gooch et al., "A Non-Photorealistic Lighting Model for Automatic Technical Illustration," <u>Computer Graphics Proceedings, Annual Conference Series, SIGGRAPH'98</u> , pgs. 447-452 (1998).
✓	APPP ✓	Gooch et al., "Interactive Technical Illustration," <u>ACM Interactive 3D</u> , pgs. 31 - 38 (1999).

Examiner Signature <i>[Signature]</i>	Date Considered <i>7-26-05</i>
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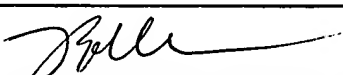
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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Adam T. Lake et al.	
		Filing Date November 7, 2000	Group Art Unit 2676
(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
PWC	AQQQ	Heidrich et al., "Realistic, Hardware-Accelerated Shading and Lighting," <u>ACM</u> , (SIGGRAPH'99), pgs. 171 - 178 (1999).
	ARRR	Hoppe, H., "Progressive Meshes," URL: <a href="http://www.research.microsoft.com/research/graphics/hoppe/">http://www.research.microsoft.com/research/graphics/hoppe/</a> , (10 pgs.).
	ASSS	Hoppe, H., "Efficient Implementation of Progressive Meshes," <u>Comput. &amp; Graphics</u> , 22(1), pgs. 27 - 36 (1998).
	ATTT	Hoppe, H., "View-Dependent Refinement of Progressive Meshes", URL: <a href="http://www.research.microsoft.com/~hoppe/">http://www.research.microsoft.com/~hoppe/</a> (10 pgs.).
	AUUU	Kumar et al., "Interactive Display of Large Scale NURBS Models", <u>ACM</u> , Symp. On Interactive 3D Graphics, pgs. 51 - 58 (1995).
	AVVV	Lake et al., "Stylized Rendering Techniques for Scalable Real-Time 3D Animation", <u>NPAR</u> , pgs. 101 - 108 (2000).
	AWWW	Lander, Jeff, "Making Kine More Flexible," <u>Game Developer Magazine</u> , 5 pgs., November 1998.
	AXXX	Lander, Jeff, "Skin Them Bones," <u>Game Developer Magazine</u> , 4 pgs., May 1998.
	AYYY	Lansdown et al., "Expressive Rendering: A Review of Nonphotorealistic Techniques," <u>IEEE Computer Graphics &amp; Applications</u> , pgs. 29-37 (1995).
	AZZZ	Lasseter, J. et al., "Principles of Traditional Animation Applied to 3D Computer Animation," <u>ACM</u> , pgs. 35 - 44 (1987).
	AAAAA	Lee, M. et al., "Navigating Through Triangle Meshes Implemented as Linear Quadtrees," <u>ACM Transactions on Graphics</u> , 19(2):79 - 121 (2000).
	ABBBB	Lewis, J. P. et al., "Pose Space Deformation: A Unified Approach to Shape Interpolation and Skeleton-Driven Deformation," <u>ACM</u> , (SIGGRAPH 2000), pgs. 165 - 172 (2000).
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	ADDDD	Markosian, L. et al., "Real-Time Nonphotorealistic Rendering," <u>SIGGRAPH'97</u> , 6 pgs. (1997).
	AEEEE	Pajarola et al., "Compressed Progressive Meshes" <u>IEEE Transactions on Visualization and Computer Graphics</u> , 6(1):79 - 93 (2000).
	AFFFF	Pedersen, "A Framework for Interactive Texturing on Curved Surfaces", <u>ACM</u> , pgs. 295 - 301 (1996).
	AGGGG	"pmG Introduces Messiah: Animate 3.0", URL: <a href="http://www.digitalproducer.com/aHTML/Articles/july_2000/july_17_00/pmg_intros_messiah_animate.htm">http://www.digitalproducer.com/aHTML/Articles/july_2000/july_17_00/pmg_intros_messiah_animate.htm</a> (Accessed 10/26/2004) 2 pgs.

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
PWL	AHHHH ✓	Popovic et al., "Progressive Simplicial Complexes" Microsoft Research, <a href="http://www.research.microsoft.com/~hoppe/">http://www.research.microsoft.com/~hoppe/</a>
	AJJJ ✓	Pueyo, X. et al., "Rendering Techniques '96," Proc. of Eurographics Rendering Workshop 1996, EUROGRAPHICS, p[gs. 61 - 70 (1996).
	AJJJJ ✓	Raskar, R. et al., "Image Precision Silhouette Edges," Symposium on Interactive 3D Graphics, ACM, pgs. 135-231 (1999)
↓	AKKKK ✓	Rockwood, A. et al., "Real-time Rendering of Trimmmed Surfaces," Computer Graphics (SIGGRAPH '89 Proceedings) 23:107 - 116 (1989).
	ALLLL ✓	Samet, Hanan, "Applications of Spatial Data Structures: Computer Graphics, Image Processing, and GIS," University of Maryland, Addison-Wesley Publishing Company, 1060-1064, Reading, MA, June 1990 <i>Pages provided do not contain text of the article.</i>
PWL	AMMMM ✓	Sousa, M., et al., "Computer-Generated Graphite Pencil Rendering of 3-D Polygonal Models", Eurographics'99, 18(3):C195 - C207 (1999).
	ANNNN ✓	Stam, J., "Exact Evaluation of Catmull-Clark Subdivision Surfaces at Arbitrary Parameter Values", SIGGRAPH 98 Conference Proceedings, Annual Conference Series, pgs. 395-404 (1998).
	AQOOO ✓	Taubin et al., "3D Geometry Compression", SIGGRAPH'98 Course Notes (1998).
	APPPP ✓	Taubin et al., "Progressive Forest Spilt Compression," IBM T.J. Watson Research Center, 9 pgs. (1998).
	AQQQQ ✓	Thomas (Contributor) et al., "The Illusion of Life: Disney Animation" 47-51
	ARRRR ✓	Wilhelms, J. & Van Gelder, A., "Anatomically Based Modeling," Univ. California Santa Cruz [online], 1997 [retrieved 12/22/2004], retrieved from the Internet: <URL: <a href="http://graphics.stanford.edu/courses/cs448-01-spring/papers/wilhelms.pdf">http://graphics.stanford.edu/courses/cs448-01-spring/papers/wilhelms.pdf</a> >.
	ASSSS ✓	Zelevnik et al., "SKETCH: An Interface for Sketching 3D Scenes" Brown University site of the NSF Science and Technology Center for Computer Graphics and Scientific Visualization, 1996
↓	ATTTT ✓	Zorin "Interpolation Subdivision for Meshes With Arbitrary Topology" Department of Computer Science, California Institute of Technology, Pasadena, CA

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